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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/646,098	08/22/2003	Harry L. Tuller	MIT.9908	8403
7590 03/15/2005			EXAMINER	
Samuels, Gauthier & Stevens LLP Suite 3300			CONNELLY CUSHWA, MICHELLE R	
225 Franklin Street		ART UNIT	PAPER NUMBER	
Boston, MA 02110			2874	

DATE MAILED: 03/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)

Paper No(s)/Mail Date

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

Application/Control Number: 10/646,098

Art Unit: 2874

DETAILED ACTION

Election/Restrictions

This application contains claims directed to the following patentably distinct species of the claimed invention:

One from each of the following lettered groups A through C must be elected:

A. stabilized barium titanate comprises:

A-1. Zr (Ba ZrO_3)

A-2. Hf (BaHfO₃)

A-3. KnbO₃

A-4. Sn (BaSnO₃)

B. the optical structure:

B-1. with a buffer layer

B-2. without buffer layer

C. the buffer layer comprises:

C-1. MgO

C-2. YSZ

C-3. CeO₂

C-4. SiO₂

C-5. one specific combination of MgO, YSZ, CeO₂ or SiO₂

C-6. no buffer layer

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Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claim 1 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

A telephone call was made to Matthew E. Connors on March 7, 2005 to request an oral election to the above restriction requirement, but did not result in an election being made.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michelle R. Connelly-Cushwa whose telephone number is 571-272-2345. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney B. Bovernick can be reached on 571-272-2344.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michelle R. Connelly-Cushwa Michelle R. Connelly-Cushwa

Patent Examiner March 9, 2005